

Appl. No. : 10/823,916
Filed : April 12, 2004

AMENDMENTS TO THE CLAIMS

Claims 1-23 and 26-37 were pending prior to the entry of these amendments. Please amend Claims 18 and 23. Please cancel Claims 1-17, 19, and 35-37 without prejudice. Please add new Claims 38-42.

1.-17. (Cancelled)

18. (Currently Amended) A fluid control device for a pressure fluid system, comprising:

a gas inlet;

a liquid inlet configured to be coupled to a hose;

an outlet configured to be coupled to a hose; [[and]]

a valve system configured to allow into the outlet a liquid flow from the liquid inlet while stopping a gas flow from the gas inlet, the valve system configured to allow into the outlet the gas flow from the gas inlet while stopping the liquid flow from the liquid inlet, the valve system configured to allow into the outlet a mixed flow comprising the liquid flow and the gas flow; and

a pressure generator configured to pressurize the liquid flow, the gas flow, or the mixed flow delivered to the outlet.

19. (Cancelled)

20. (Original) The fluid control device of Claim 18, further comprising:

a liquid inlet system comprising the liquid inlet and an internal liquid passage connected to the liquid inlet;

an external liquid hose coupled to the liquid inlet; and

an external output hose coupled to the outlet.

21. (Original) The fluid control device of Claim 18, wherein the valve system is within a single housing, and the gas inlet, the liquid inlet, and the outlet are disposed on the housing and provide fluid communication with the valve system.

22. (Original) The fluid control device of Claim 18, wherein the valve system is configured to selectively provide the mixed flow ranging between mostly comprising the fluid flow and mostly comprising the gas flow.

23. (Currently Amended) The fluid control device of Claim 18, wherein the liquid flow is water and the gas flow is air the valve system is configured to allow into the outlet a water flow from the liquid inlet while stopping an air flow from the gas inlet, the valve system configured to allow into the outlet the air flow from the gas inlet while stopping the water flow from the liquid inlet, the valve system configured to allow into the outlet a mixed flow comprising the water flow and the air flow.

24. (Canceled)

25. (Canceled)

26. (Original) A hose system comprising:

a fluid control device comprising an inlet and an outlet;

an inlet hose in fluid communication with the inlet, the inlet hose having an inlet hose lumen with a first cross sectional area; and

an output hose in fluid communication with the outlet, the output hose having an output hose lumen with a second cross sectional area being smaller than the first cross sectional area;

wherein the fluid control device is configured to receive liquid from the inlet at a first pressure and convey the liquid to the outlet at one of a second and a third pressure, the first pressure being less than the second and third pressures, the second pressure being less than the third pressure, the second pressure being at about a level sufficient to induce a flow rate in the output hose that is generally equivalent to a flow rate of a similar liquid flowing at said first pressure in a lumen having said first cross sectional area, the third pressure being at least 500 psi.

27. (Original) The hose system of Claim 26, wherein the fluid control device is a pump.

28. (Original) The hose system of Claim 26, wherein the third pressure is at least 1200 psi.

29. (Original) The hose system of Claim 26, wherein the third pressure is within 500-5000 psi.

30. (Original) The hose system of Claim 26, wherein the third pressure is at least 2000 psi.

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31. (Original) The hose system of Claim 26, wherein the first pressure is within 40-60 psi.

32. (Original) The hose system of Claim 26, wherein the first cross sectional area is that which exists within a standard hose having a nominally 5/8 inch diameter.

33. (Original) The hose system of Claim 26, wherein the second cross sectional area is that which exists within a standard hose having a nominally 1/2 inch diameter.

34. (Original) The hose system of Claim 26, wherein the output hose is connected to a hose reel device comprising a third hose and a rotatable drum onto which the third hose can be spooled, the output hose connected to the hose reel device so as to convey fluid from the output hose to the third hose.

35.-37. (Canceled)

38. (New) The fluid control device of Claim 18, further comprising a hose reel device in fluid communication with the outlet, the hose reel device comprising a rotatable drum onto which a hose can be spooled, the hose reel device configured to convey the liquid flow, the gas flow, or the mixed flow from the outlet to a hose spooled onto the drum.

39. (New) The fluid control device of Claim 18, wherein the pressure generator comprises a pump.

40. (New) The fluid control device of Claim 18, wherein the pressure generator comprises a plurality of pumps.

41. (New) The fluid control device of Claim 18, wherein the pressure generator is configured to pressurize the liquid flow from between about 40 and 60 psi to between about 500 and 5,000 psi.

42. (New) The fluid control device of Claim 18, wherein the liquid inlet is configured to be coupled to a garden hose.